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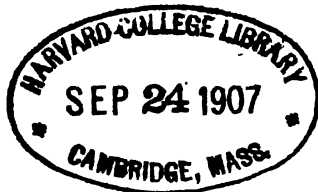
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A list of works in the Library relating to Naval History was printed in the BULLETIN for June, July, August, September, November, 1904.

This list does not include works on naval history, naval engineering, the marine steam engine, naval or maritime or international law, the economic aspects of shipping, voyages, etc.

Order of Arrangement :

BIBLIOGRAPHY.
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NAVIGATION AND SEAMANSHIP.
COAST PILOTS.
EDUCATION.
SEAMEN.
SIGNALLING.
SHIPS AND SHIPBUILDING.
NAVAL ART AND SCIENCE.

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Deutsche Seewarte. Katalog der Bibliothek. Nachtrag. no. 1-6. *Hamburg*, 1894-1905. 8°.

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Heather (W.) July 12th, 1803. A new catalogue of the best charts, pilots, & navigation books, Sold Wholesale, Retail, and for Exportation, by W. Heather, at his Sea-Chart, Map, and Mathematical Instrument Warehouse, No. 157, Leadenhall-Street, Near the Royal Exchange, London. 4 p. 8°. (Bound at end of BOWDITCH's Practical Navigator. *London*, 1802.)

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Goldsbrough (C. W.) See *United States Naval Chronicle*.

"Hansa": Deutsche nautische Zeitschrift. Jahrg. 29, nos. 30-31; Jahrg. 34-date. (1892, 1897-date.) *Hamburg*, 1892-date. 4°.

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Current. Annual.

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Editors: v. 1-3, E. J. Reed; 4-16, none given; 17-19, A. Sedgwick Wolley; 20-40, George Holmes; 43, G. R. Dunell and R. W. Dana; 44-date, R. W. Dana.

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Current. Semi-monthly.

— Supplement, nos. 7-date.

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Journal des transports. Année 25, nos. 10, 12-28, 30, 32, 35, 39, 41-43 (1902). *Paris*, 1902. 4°.

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Life Boat (The). Published by the American Seamen's Friend Society. 1858-date. 8°. (In: *Sailor's Magazine and Seamen's Friend*, for the corresponding years.)

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Current.

Marine Engineering. See *International Marine engineering*.

Marine (La) français. Marine de guerre, marine marchande, colonies et protectorats, yachting. 3. sér. v. 10-date (1897-date). *Paris*, 1897-date. 8°.

Monthly. Current.

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Current. Weekly.

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Monthly. Current.

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— Charter... by laws, and a list of the members. (1811, '40, '46, '60, 66.) *New York*, 1811-66. 12°, 8°.

Marine-Vereeniging. See **Marineblad; Verslagen**, etc.

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Current. 8 nos. per year. For the file of the "Verslagen" see **Verslagen**, etc.

Maritime reporter and Seaboard. See **Nautical Gazette**.

Mededeelingen betreffende het Zeewezen. v. 1-28; v. 29, nos. 4-5; v. 30-date. (1861-date.) *'s Gravenhage: Departement van Marine*, 1861-date. 8°.

Current. Issued at irregular intervals.

Mittheilungen aus dem Gebiete des Seewesens. Jahrg. 1-date. 1873-date. *Pola*, 1873-date. 8°.

Current. Monthly.

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Weekly. Current.

Monthly (The) Nautical Magazine and Quarterly Review. v. 2-3, 5-7. *New York*, 1855-58. 5 v. 8°.

V. 3 has title: U. S. Nautical Magazine and Naval Journal.

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Morskoj Sbornik izdavyemy morskim uchonym Komitetom. v. 22, 313-date. (1856, 1903-date.) *St. Petersburg: Akademiya Nauk*, 1856, 1903-date. 8°.

Motor Boat. v. 1-date. (10 April 1904-date.) *New York*, 1904-date. 4°.

Current. Semi-monthly. v. 1, nos. 5, 7 lacking.

Motoring and boating. v. 1, no. 1-26; v. 2-v. 3, nos. 1-13. (April, 19 June, 1905.) *New York*, 1904-5. 4°.

Weekly.

National Board of Steam Navigation. Proceedings of the annual meeting. 15th (1886); 17th-23d (1888-1894); 27th, 30th-35th (1899, 1901-1906). *New York*, 1886-1906. 12° and 8°.

National Marine Engineer's Beneficial Association. See **American Marine Engineer**.

Nautical (The) Gazette. A weekly journal of navigation, shipbuilding, marine engineering, naval architecture and commerce. v. 11-27 (April, 1879-Dec., 1887); v. 1, no. 1-41 (Jan. 7, 1888-Oct. 13, 1888); N. S., v. 11-v. 11, no. 11 (Oct. 25, 1888-Dec.

29, 1898); N. S., v. 1-date (1899-date). *New York*, 1879-date. f°.

Current.

Apr., 1870-Dec., 1887, called: **Nautical Gazette**.

Jan. 7-Oct. 13, 1888, called: **The Seaboard**... ed. by W. Gannon. Consolidated Oct. 25, 1888, with **The Maritime reporter**.

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1899-date, called: **Nautical Gazette**.

Nautical, The, Magazine: a journal of papers on subjects connected with maritime affairs in general. v. 1-12, 66-date. (1832-43, 98-date.) *London*, 1832-date. 8°.

Current. Monthly.

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v. 66-72 "Nautical magazine and Journal of the Naval Reserve."

v. 74-date, published in Glasgow.

Nauticus-Schriften. no. 1-11. *Berlin: Mittler*, 1898-1906. 12°, 8°.

1. Altes und neues zur Flottenfrage, 2. Aufl.; 2. Neue Beiträge zur Flottenfrage; 4. Beiträge zur Flotten-Novelle; 3, 5-11, *Jahrbuch für Deutschlands Seeinteressen*, Jhrg. 1-8.

Naval Annual. By T. A. Brassey. 1886-1906. *Portsmouth*, 1886-1906. 8°.

1900-1, ed. by J. Leyland.

1902-date, ed. by T. A. Brassey.

Naval pocket-book, founded by W. L. Clowes, edited by L. G. C. Laughton. [v.] 1, 3-11. (1896, 98-1906.) *London*, 1896-1906. 24°.

Navy (The). v. 1-date. (Jan. 1907-date.) *Washington, D. C.*, 1907-date. 4°.

Current. Monthly.

Navy League Journal. v. 1, nos. 1-30 (1895); v. 3-date (1895-date). *London*, 1895-date. 4°.

Monthly. Current.

Neal (William George). See **Marine Engineer**.

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New York Maritime Register. v. 29-date. (1897-date.) *New York*, 1897-date. f°.

Current. Weekly. A broken file, 1876-84.

North-East Coast Institution of Engineers and Shipbuilders. Transactions. v. 1-22. (1884-1906.) *London*, 1885-1906. 8°.

Current.

Nouvelles annales de la marine et des colonies. Revue mensuel. v. 1-17 (1849-1864.) *Paris*, 1849-1864. 8°. (France. Ministère de la Marine et des Colonies.)

Continued from **Annales de la marine**. Continued as **Revue maritime**, *q. v.*

Our apprentice. See **Blue Jacket**.

Papers on naval architecture and other subjects connected with naval science. Conducted by W. Morgan and A. Cruze. v. 1-4 (or, Nos. 1-13). *London: G. B. Whittaker*, 1827-32. 3 v. 8°.

Suspended publication after No. 13 until 1865.

Power Boat News. v. 1, nos. 39-52; v. 2, nos. 1-33. (March, 1905-October, 1906.) *New York*, 1905-06. f°.

Merged with "Rudder" in October, 1906.

Quarterly Register and Exchange of Yachts. v. [1] no. 3-date. (July, 1899-date.) *London*, 1899-date. 8°.

Current.

Title till April, 1902: **Quarterly Sale Register of Steam and Sailing Yachts**. From Apr., 1902-Dec. 1906: **Quarterly Sale Register and Exchange of Yachts**. Dec., 1906, dropped **Sale**.

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Revista general de marina publicada en el deposito Hidrografica. v. 6-7, 16-33, 42-date. (1880-93, 1898-date.) *Madrid*, 1880-date. 8°. (Marina, Ministerio de.)

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— Trois traités arabes sur le compas parfait. (In: Paris Inst. Acad. Inscr. Notices et extr., v. 22, 1 pt. 1874. pp. 1-176.)

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See also the early Coast Pilots, etc., noted below.

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Arranged chronologically.

Anglès (Robert.) Le traité du quadrant de Maître Robert Anglès (Montpellier, xiii^e siècle), texte latin et ancienne traduction grecque. *Paris: Imp. Nationale*, 1897. 80 p. 4°.

Chaucer (G.) A treatise on the astrolabe; addressed to his son Lowys, A.D. 1391. Edited from the earliest mss. by Rev. W. W. Skeat. *London: Early Eng. Text. Soc.*, 1872. lxix, 119 p., 7 pl. 8°. (Early Eng. Text Soc. Extra ser. Pub. no. 16.)

Astrolobij quo primi mobilis motus deprehenduntur canones. *Venetiis: Petrus Liechtenstein*, 1512. (30) ll., 36 lines in a full page. ill. 4°.

Andalo de Nigro. [Opus astrolobii. *Ferrara: Johannes Picardus*, 1475, die viii, mensis Julij.] signatures a-b in tens, a1 blank. Without pagination, signatures or catchwords. f°.

Leaf [2] begins: Opus preclarissimum astrolobij compositum a domino Andalo de Nigro. Last leaf ends with colophon on recto.

Enciso (Martin Fernandez de). Suma de geographia q' trata de todas las partidas & prouincias del mundo; en especial delas indias. & trata largamete del arte del marear: juntamete con la espera en romãce: con el regimieto del sol & del norte: nueuamente hecha. *Seuilla: Jacobo cröberger, alemã*, 1519. (76) l., incl. 1 blank. f°.

Later editions noted under 1530 and 1546.

Copp (Johannes). Wie man diss hochberumpt astronomischer uñ geometrischer kunst Instrumēt Astrolabium brauchen soll. . . Durch Joannem Copp . . . *Bamberg: Georg Erlanger*, 1525. (42) l., incl. 1 blank l. 4°.

Friess (Laurentzius). (Y) Slegung der Mer-carthen oder Cartha Marina Darin man sehen mag, wa einer in der welt sey, vnd wa ein ietlich Land, Wasser, vnd Stat gelegē ist. Das als in dē büchlin zefindē. *Strassburg: Johannes Grieninger*, 1525. 32 l., 1 map, illus. f°.

The book is in two parts, leaf 6, verso, beginning "Der ander tractat erklert zum teyl die land vnd sitten der völker." The folded map illustrates the first voyage of Cadamosto and follows Waldseemüller.

Pagination is incorrect. Signatures A-E are in sixes except B, which is in eight.

Abridgment noted under 1530.

Navigation—Early Books, 1525–1554.

Gardie (Pierre). [L]e grant routier & pilotage & enseignemēt pour ancrer tant es portz, haures q' autres lieux de la mer, fait per Pierre gracie [sic], dit Ferrāde, tant des parties de Frāce, Bretagne, Angleterre, Espagne, Flādres & haultes Alemaignes. Auec les dāgers du ports, haures, riuieres & chenalz des parties & regions des susdictes. Auec ung kalendrier & cōpost a la fin dudit liure tresnecessaire a tous cōpaignōs. Et les ingemens doleron touchant le fait des nauires. Rouen: pour Jehan burges, 1525. (78) l. illus. 4°.

Fernellus (Johannes). Joannis Fernelli Ambianatis Monalosphaerium, partibus constans quatuor. . . *Parisiis: Simon Colinaus*, 1526. (6) 36 l. illus. f°.

— Joannis Fernelli Ambianatis Cosmotheoria, libros duos complexa. . . *Parisiis: Simon Colinaus*, 1528. (6), 46 l. illus. f°.

Enciso (Martin Fernandez de). Suma de geographia q' trata de todas las partidas & prouincias del mundo: en especial delas indias. & trata largamente del arte del mearar juntamente con la espera en romance: conel regimieto del sol y del norte: agora nueuamente emendada algunos defectos q' tenia enla impressiō passada. *Seuilla: Juā cromberger*, 1530. i-lx, xlix–lviii ff. f°.

26th folio is wrongly numbered xxxvi.

— Another issue. i–lx, xlix–lviii ff. f°.

11th folio is wrongly numbered xii.

An earlier edition noted under 1519 and a later under 1546.

Friess (Laurentzius). (Y)nderweisung vnd vslegung der Cartha Marina oder die mercartē, Darin man sehen mag, wa einen in d' welt sy, vnd wa ein ytlich land, wasser vnd stet ligē, als in dē bñchlin angezōgt vñ in d' chartē zusehen. *Strassburg: Johannes Grieninger*, 1530. (22) l. f°.

An abridged edition of the Yslegung der Mercarten of 1525. Only three woodcuts are retained, one of which is on the title-page. Signatures A–D in sixes, except B, in four.

Apianus (Petrus). Instrument Buch durch Petrum Apianum erst von neu beschrieben. . . ein neuer Quadrant. . . wie man die höch. . . durch die Spigel und Instrument, massen soll. . . wie man das wasser absehen oder abwegen soll. . . drey Instrument. . . manicherley. . . breñche. . . die Finger der Hände. . . ein neuer Messstab. . . *Ingoldstadt*, 1533. (54) ll. f°.

Sacro-Bosco (Joannes de). Liber Joannes de Sacro-Bosco de sphaera. Addita est praefatio in eundem librum Philippi Mel. ad S. Grineum. [*Venetijs: apud J. A. de Nicolinis de Sabio*, 1534.] 38 l. 8°.

— Sphaera volgare novamente tradotta con molte notande additione di geometri cosmographia, arte navigatoria, et stereometria, proportioni, et quantia delli elementi, distanze, grandezze et movimenti di tvtti li corpi celesti, cose certamente rade et maravigliose. Autore M. Fiorentino Phonasco et Philopanareto. *Venetia: Bartolomeo Zanetti*, 1537. (56) l. illus. 4°.

— Tratatto della sphaera, nel quale si dimonstrano & insegnano: principii della astrologia raccolto da Giouanni di Sacrobusto, & altri Astronomi, & tradotto in lingua Italiana per Antonio Brucioli. Et con nuove annotationi in piu luoghi dichiarato. *Venetia: Francesco Brucioli & i Frategli*, 1543. (2) 24 l. illus. 4°.

Dryander (Joannes). Quadrantis vsus et explicatio brevis. Per Joannem Dryandrum Medicum, Professorem Marpurgensem. [Colophon:] *Impressum Marpurgi, Anno M.D.XLII.* 8 p., 1 l. 4°.

Bytharne (Jehan). Book of war by sea and land, anno 1543. (In: Naval (The) miscellany, edited by J. K. Laughton. [*London*, 1902.] 8°. v. 1., pp. 1–21.)

Medina (Pedro de). Arte de nauegar en que se contienen todas las Reglas, Declaraciones, Secretos, y Auisos, q' a la buena naugaciō son necesarios, y se deñe saber, hecha por el maestro Pedro de Medina. . . [*Valladolid: Francisco Fernandes de Cordoua*, 1545.] (6), c, (1) l. f°.

Editions noted below under dates of 1554, 1555, 1569, 1552, 1580, 1589.

Blondo (Michael Angelo). De ventis et navigatione, libellvs avttore Michaelis Angelo Blondo. . . *Venetijs: Coninus de Tridino Montisferrati*, 1546. 18 l. 4°.

Enciso (Martin Fernandez de). Suma de geographia. . . *Seuilla: Andreas de burgos*, 1546. 1 l., ij–lviii [i. e. 70] ff. f°.

Earlier editions noted under 1519 and 1530.

[Focard (Jacques).] Paraphrase de l'Astrolabe, contenant les principes de Geometrie, la Sphère, l'Astrolabe, ou, declaration des choses celestes, le Miroir du Monde, ou, exposition des parties de la Terre. *Lyon: par Jean De Tournes*, 1546. 8 p. l., 187 p., 2 l. 8°.

Second edition in 1555.

Botasso (G. J.) Dialogi maritimi; et alcune rime maritime di Nicolo Franco, et d'altri, dell' Accademia de gli Argonauti. *Mantova*, 1547. 16°.

Rojas Sarmiento (Joannes de). Illustris uiri D. Ioannis de Roias commentariorum in Astrolabium quod Planisphaerium uocant, libri sex nunc primum in lucem editi. His additus est index. *Lutetia: Vascosanus*, 1550. (24), 284, (12) p. 4°.

Cortes (Martin). Breue compendio de la sphaera y de la arte de nauegar, con nuevos instrumentos y reglas. . . *Seuilla: Anton Alvarez*, 1551. 98 l. illus. f°.

Other editions noted below under 1561, 1572, 1579, 1584, 1596, 1615.

Medina (Pedro de). Regimiento de navegacion. En que se cōtienen las reglas, declaraciones y auisos del libro del arte de nauegar. Fecho por el maestro Pedro de Medina. *Seuilla: Juā Canalla*, 1552. (44) l. illus. 4°.

First edition entered under 1545.

— L'art de naviger de maistre Pierre de Medine. . . traduit. . . par Nicolas de Nicolai. . . *Lyon: Guillaume Roville*, 1554. (6) 116 l. illus. f°.

— L'arte del navegar, in laqual si contengono le regole, dechiarationi, secreti, & auisi, alla bona nauegation necessarij. Composta per. . . Pietro da Medina, & tradotta da lingua Spagnola in volgar Italiano. . . *Venetia: Giambattista Pedresano*, 1554. (12), 138 l. illus. 4°.

— L'art de naviger de maistre Pierre de Medine. Espaignol: contenant toutes las reigles, secreta, & enseignemens necessaires, à la bonne nauigation, tradvuit de Castillan en François, auec augmentation & illustration de plusieurs figures & annotations, par Nicolas de Nicolai, du Dauphiné

Navigation—Early Books, 1554–1594.

Geographie du tres-Christien Roy Henri II. de ce nom: Et dedié à sa tres-Auguste Maïeste. *Lyon: Guillaume Roville, 1554.* (6), 116 l. (including a final blank), 1 folded map. illus. f°.

Focard (Jacques). Paraphrase de l'astrolabe ... Reuue & corrigée par Jacques Bassentin, avec vne amplification de l'usage de l'astrolabe par lui mesme ajoutée. *Lyon: Par Ian de Tournes, 1555.* 6 p.l., 192 p. 8°.

First edition noted under 1546.

Medina (Pedro de). *L'arte del navegar...* *Vineta: Gioanbattista Pedresano, 1555.* (12), 138 l. illus. 4°.

First edition entered under 1545.

Alfonse (Jean). *Les Voyages auantvieux dv Capitaine Ian Alfonse, Sainctongeois.* Contenant les reigles & enseignemens necessaires à la bonne & seure navigation. *Poitiers: Ian de Marnef, 1559.* (4), 68, (28) l. 4°.

Contains Olivier Bisselin's "Les tables de la declinaison ou esloignement que fait le Soleil de la ligne Equinoctiale chacun iour des quatre ans."

New edition noted below under 1602.

Cortes (Martin). *The Arte of Navigation,* Conteyning a compendious description of the Sphere, with the makynge of certain Instruments and Rules for Navigations: and exemplified by manye Demonstrations. Wrytten in the Spanyshe tongue by Martin Cortes, And directed to the Emperour Charles the fyfte. Translated out of Spanyshe into Englyshe by Richard Eden. 1561 [*Colophon:*] *Imprinted at London in Pawles Church yerde, by Richard Iugge, Printer to the Queenes Maïestie.* (8) p.l., lxxxiii f., (2) l. 4°.

First edition noted under 1551.

Medina (Pedro de). *L'art de naviguer.* *Lyon: Guillaume Roville, 1569.* (8), 232 p., folded map. illus. 4°.

First edition entered under 1545.

Cortes (Martin). *The arte of nauigation,* conteynng a compendious description of the sphere, with the makynge of certayne instruments and rules for nauigations; ... Written ... by Martin Curtis ... Translated out of Spanyshe into Englyshe by R. Eden, and now newly corrected and amended in diuers places. [*London: R. Iugge, 1572.*] 8 p.l., 83 f., 3 l., map. 4°.

First edition noted under 1551.

Laetus (Erasmus Michælius). C. Erasmi Michælii Læti de re nautica, libri III. ... *Basilea: [T. Guarinus,] 1573.* 8 p.l., 230 pp., 1 pl. 4°.

Nonius (Petrus). *Petri Nonii Salaciensis de arte atque ratione navigandi libri dvo.* Eivsdem in theoricis Planetarum Georgij Purbachij annotationes, & in Problema mechanicum Aristotelis de motu nauigij ex remis annotata vna. Eivsdem de erratis Orontij Finœi Liber vnus. Eivsdem de Crepusculis Lib. i. Cum libello Allacen de causis Crepusculorum. *Conimbrica: In adibus Antonij à Marijs. Vniuersitatis Typographi, 1573.* (6) p.l., 201 p., (1) l., 56 p., (1) l., 63 p., (1) l. f°.

Cortes (Martin). *The Arte of Nauigation...* Englyshed ... by Richard Eden ... *London: Richard Iugge, 1579.* (8), 84 l., 1 map. illus. 4°.

First edition noted under 1551.

Coignet (Michael). *Nieuwe Onderwijsinghe,* op de principaelste Puncten der Zee-vaert ... deur

Michiel Coignet. *T'hantwerpen: Heyndrick Heyndricksen, 1580.* 27 l. illus. 4°.

New edition noted under 1589.

Medina (Pedro de). *De Zeeuaert, Ofte Conste van ter zee te varen, vanden Excellenten Pilote Mter. Peeter de Medina Spaignaert...* Wt den Spaensche ende Fransoysche... ouergheset, ende met Annotatien verciert, by Mr. Merten Euerart Brug. Met noch een ander nieuwe Onderwijsinghe, op de principaelste puncten der Navigatien, van Michiel Coignet. *T'hantwerpen: Hendrick Heyndricksen, 1580.* (4), 92, 27 l., 1 map. illus. 4°.

First edition entered under 1545.

Cortes (Martin). *The arte of navigation...* Englyshed out of Spanishe by Richarde Eden, and now newly corrected and amended in diuers places. *London: Printed by Iohn Iugge wydowe, 1584.* 8 p.l., 84 f., 1 map. 4°.

First edition noted under 1551.

Palacio (Diego Garcia de). *Instrvcion Navthica,* para el bven Vso, y regimiento de las Naos, su traça, y y gouierno conforme à la altura de Mexico. Còpuesta por el Doctor Diego garcia de Palacio. *Mexico: Pedro Ocharte, 1587.* (4), 156 l. 4°.

Blundeville (Thomas). *A brieue description of vniversal mappes and cardes, and of their vse: and also the vse of Ptholemy his tables.* Necessaire for those that delight in reading of histories: and also for traueilers by land or sea. *London: Printed by Roger Ward for Thomas Cadman, 1589.* 21 l. 4°.

Coignet (Michiel). *Nieuwe onderwysinghe,* op de principaelste puncten der Zee-vaert ... deur Michiel Coignet. *T'Amstelredam: Cornelius Claess, 1589.* 22 l. illus. 4°.

An earlier edition noted under 1580.

Medina (Pedro de). *De Zee-vaert. T'Amstelredam: Cornelius Claess, 1589.* 88, 22 l. illus. 4°.

First edition entered under 1545.

Hood (Thomas). *The Marriners guide.* Set forth in forme of a dialogue, wherein the vse of the plaine Sea Card is briefelie and plainly deliuered to the commoditie of all such as haue delight in Nauigation. *Imprinted at London by Thomas Est, for Thomas Wight, 1592.* 21, (1) ff. 8°. Black letter.

Second issue noted under 1596.

Hues (Robert). *Tractatus de globis, et eorum usu: a treatise descriptive of the globes constructed by Emery Molyneux, and pub. 1592.* Edited, with annotated indices and an introduction by C. R. Markham. *London: The Hakluyt Soc., 1889.* lviii, 1 l., 229 p., 1 pl. 8°. (The Hakluyt Soc. no. 79.)

The Dutch translation is noted below under 1597.

Blundeville (Thomas). *M. Blundeville, his exercises, containing sixe treatises...* in cosmographie, astronomie, and geographie, as also in the arte of navigation. *London: Printed by J. Windet, 1594.* 7 p.l., 350 f. 4°.

Davis (John). *The worldes hydrographical discription.* Wherein is proued... that the worlde in... all his zones, clymats and places, is habitable and inhabited, and the seas... navigable... whereby appears that from England there is a short and speedie passage into the South Seas, to China,

Navigation—Early Books, 1595–1615.

Molucca, Philipina, and India, by northerly navigation... *London: Imprinted by T. Dawson, 1595. 24 l. 8°.*

Contains a folio sheet with the author's holograph "Motions for ordering a project for the discoverie of the North Pole, etc."

— The voyages and works of John Davis the navigator; ed., with an introduction and notes, by A. H. Markham. *London, 1880. 6 p.l., xcv, 392 p., 1 facsim., 1 map, 1 pl. 8°.* (Hakluyt Society, Pub. v. 59.)

Bourne (William). A Regiment for the Sea, containing verie necessarie matters for all sorts of men and trauailers, whervnto is added an Hydrographicall discourse touching the five seuerall passages into Cattay, written by William Borne Newly corrected and amended by Thomas Hood, D. in Phisicke, who hath added a new Regiment, and Table of declination. Wherevnto 'is also adioyned the Mariners guide, with a perfect Sea Card by the said Thomas Hoode. *Imprinted at London by T. Este, for Thomas Wright, 1596. 10 p.l., 79 ff. (3) l., 1 map, 21 (1) ff. 4°.*

On folio 38 (K.ii.) 38 is misprinted 18.

— A Regiment for the Sea, containing verie necessarie matters for all sorts of men and trauailers, whervnto is added an Hydrographicall discourse touching the five severall passages to Cattay, written by William Borne. Newlie corrected and amended by Thomas Hood who hath added a new Regiment, and Table of declination. *Imprinted at London by T. Est, for Thomas Wright [1596?]. 10 p.l., 79 pp. (3) l. 4°.*

Lining of this title differs from that of the 1696 issue; "A Regiment for the Sea," "Thomas Hood," "Regiment," and "Thomas Wright" are printed in red; misprints of the other issue are corrected. Apparently printed from a different composition.

Cortes (Martin). The arte of navigation... translated into English by Richard Eden... corrected and augmented... by J. T[app]. *Imprinted at London by Edw. Alde for Hugh Astley, by the assignes of Richard Watkins, 1596. (5), (90) l., 1 map. 4°.*

First edition noted under 1551.

Hood (Thomas). The Marriners guide. *Imprinted at London by Thomas Este, for Thomas Wright, 1596. 21 (1) ff. 8°. Black letter.*

Really a part of Bourne's Regiment for the Sea (1596), being called for on title-page of that work.

Title identical as to text with the 1592 issue *q. v.*, except that the "briefelie" of the 1592 issue becomes "briefely" in 1596.

Hues (Robert). Tractaet Ofte Handelinghe von het gebruijck der Hemelscher ende Aertscher Globe... door Robertum Hues... overgheset... door J. Hondium. *T'Amstelredam: Cornelis Claess, 1597. (8), 68 p. illus. 4°.*

The Hakluyt Society edition of the Latin Tractatus of 1592 is entered above under that year.

Wright (E[dward]). Certaine errors in navigation, Arising either of the ordinarie erroneous making or vsing of the sea chart, compasse, cross staffe, and Tables of declination of the Sunne, and fixed starres detected and corrected. By E. W. *Printed at London by Valentine Sims, 1599. 126 unnumbered leaves, 29 (1) p., 1 l. 4°.*

The 29 numbered pages contain a record of the voyage to the Azores of the Earl of Cumberland, to whom the book is dedicated.

Second edition entered under 1610.

Alfonse (Jean). Les voyages avantvrevx dv Capitaine Jean Alphonse Saintongeois. Contenant les reigles & enseignemens necessaires à la bonne & seure Navigation. Revev et corrigé de nouveav selon la reformation faite du Calendrier qui fut fait l'An mil cinq cens quatre vingts deux. *Roven: Theodore Reinsart, 1602. 128 p., 18 l. 8°.*

First edition noted above under 1559.

Syria (Pedro de). Arte de la verdadera navegacion. En que se trata de la machina del mudo, es a saber, Cielos, y Elementos: de las mareas, y señales de tēpestades: del Aguja de marear: del modo de hazer cartas de nauegar. del vso dellas: de la declinacion y rodeo, que comunmente hazen los pilotos; del modo verdadero de nauegar por circulo menor: por linea recta sin declinacion ni rodeo: el modo como se sabra el comino, y leguas que ha nauegado el piloto, por qualquier rumbo: y vltimamente el saber tomar el altura del Polo. *Valencia: Impresa en casa de Juan Chrysostomo Garriis, Vendese en casa de Francisco Miguel, 1602. 4 p.l., 152 p., 4 l. 4°.*

Polter (Richard). The Pathway to perfect Sayling. Being a deliuerie in as breefe manner as may bee, of the sixe principall pointes or groundes, concerning Navigation: Written by Richard Polter, one of the late principall Maisters of the Naue Royall. *London: Edward Alde for John Tappe, 1605. (26) l. 4°.*

Garcia de Cespedes (Andres). Regimiento de navegacion q'mando hazer el rei nuestro señor por orden de sv conseo real de las Indias a Andres Garcia de Cespedes sv cosmografo maior siendo Presidente en el dicho conseo el conde de Lemos. [Colophon: *En Madrid, En casa de Iuan de la Cuesta, Año M.DCVI.*] engr. title, 5 p.l., 184 ff., 1 map. 1°.

Harder (Salomon). De Navigatione, Gründlicher Bericht von Schifffahrten, wer sie erschaffen, woher sie kommen, vnd wie sich diejenigen, so sich ihrer gebrauchen, verhalten sollen. Neben angehengter Allegoria vnd tröstlicher Abcontrseyhung des Schiffleins Christi. Allen Seefahrenden Schiff vnd Handelsleuten nützlich zu lesen, in Druck verfertigt Durch Salomon Harder Dantiscanum. [Colophon: *Gedruckt zu Leipsig, durch Zachariam Berwald.*] 1607. (111) p. 12°.

A devotional book for seamen.

Linton (Anthony). Newes of the complement of the art of navigation. And of the mightie Empire of Cataia. Together with the Straits of Anian. By A. L. [i. e. Anthony Lynton.] *London: F. Kyngston, 1609. 1 l., 44 p. 4°.*

Wright (Edward). Certaine Errors in Navigation, Detected and Corrected. By Edw: Wright. With Many additions that were not in the former edition as appeareth in the next pages. [With An Appendix touching the variation of the Compasse.] *London: Felix Kingstō, 1610. 26 l., 472, 122 p., 11 l., 1 chart. 4°.*

First edition noted under 1599.

Cortes (Martin). The arte of navigation. First, written in the Spanish tongue by... Martin Cvrtis... Translated into English by Richard Eden... corrected and enlarged... by John Tapp. *London: W. Stansby for J. Tapp, 1615. (8) l., 169 [i. e. 187] (4) p., 1 map, 26 diagrams in text. 4°.*

Navigation—Early Books, 1619–1697.

Welper (E.) *Usus Quadrantis astronomici.* Strassburg, 1619. 4°.

Aspley (John). *Speculum Nauticum*: a looking glasse, for sea men: wherein they may behold a small instrument called the Plain Scale... Lately penned... By John Aspley, Student in Physicke... London: T. Harper, 1624. 4 p.l., 62 p., 1 l. 4°.

Snellius (Willebrordus). *Willebrordi Snellii à Rogen. R. F. Tiphys Batavvs sive Histiodromice, De navium cursibus, et re navali. Lugduni Batavorum: Ex Officinâ Elseviriana, 1624.* (28) l., 109 (x), 1 l., 62 p., 1 l., 2 pl. 4°.

Smith (Captain John). *A Sea Grammar, with the plain exposition of Smith's Accidence for young Sea-men, enlarged. Divided into fifteen Chapters...* London: John Haviland, 1627. 6 l., 86 p. 4°.

"The seaman's grammar," noted below under 1691.

Dulirius (L.) *La theorie des longitudes reduite en pratique sur le globe celeste.* Paris, 1647. 4°.

— *Le globe hauturier, inventé de nouveau. Pour prendre à toute heure du jour, aux rayons du soleil, la hauteur équinoctiale et polaire.* Paris: J. Guillemot, 1647. 4°.

Common-wealths (The) *the great ship commonly called the Sovereigne of the seas, built in the year, 1637. With a true and exact dimension of her bulk and burden... also the names of all our commanders at sea... With all the fights wee have had with the Hollander, since the engagement of Lieutenant-admirall Trompe near Dover against the English fleet under the command of Generall Blake...* London: Printed by M. Simmons for T. Jenner, 1653. 32 p. 4°.

Moret (T.) *Tractatus physico-mathematicus de aestu maris.* Antwerp, 1665. 4°.

Moray (Sir Robert). Some inquiries and directions concerning tides, proposed by Dr. Wallis, for the proving or disproving of his lately publish't discourse concerning them. (Philosoph. Transac. 1665–66, v. 1, pp. 297–301. London, 1666.)

Wallis (John). An essay of Dr. John Wallis exhibiting his hypothesis about the flux and reflux of the sea. (Philosoph. Transac. 1665–66, v. 1, pp. 263–294. London, 1666.)

Phillipott (Thomas). *A philosophical Essay on the flux and reflux of the sea.* (Harleian Miscellany. v. 5.)

Original published at London in 1673, in quarto.

[**De Chales** (Claude François Milliet).] *L'art de naviger démontré par principes, & confirmé par plusieurs observations tirées de l'expérience.* Paris: Estienne Michallet, 1677. 10 p.l., 264, 46 p., 4 l. 4°.

Sealberge (C.) *Traité des causes naturelles du flux et du reflux de la mer.* Chartres, 1680. 4°.

Bryantson (John). *The mutations of the seas; or, A manifest reason given for all the mutations observed in the seas...* London: G. Larkin, 1683. 2 p.l., 3–34 p. sq. 12°.

Le Cordier (S.) *Journal de navigation. Dans lequel est plaineement enseigné & clairement démontré l'Art & la Science des Navigateurs. Montrant en premier lieu de quelle maniere les Pilotes doivent composer leurs Journaux, Navigans par Lati-*

tude & Longitude, faisant l'application des regles du Cercle & Quartier de Proportion. Et en second lieu une Méthode nouvelle pour resoudre en travailler chaque regle du Cercle ou Quartier de Proportion en particulier, avec l'application de chacune, & les remarques qu'on doit faire sur iselles; le tout solidement démontré & traité en peu de paroles. Havre de Grace: Jacques Gruchet, 1683. 9 p.l., 292 p.; 8 p.l., 328 p. 2 v. 16°.

Last edition is noted below under 1734.

Sturmy (Samuel). *The Mariner's Magazine, stor'd with these mathematical arts: The Rudiments of Navigation and Geometry. The Making and Use of divers Mathematical Instruments. The Doctrine of Triangles, Plain and Spherical. The Art of Navigation, by the Plain-Chart, Mercator's Chart, and the Arch of a Great Circle. The Art of Surveying, Gauging, and Measuring. Gunnery and Artificial Fire-Works. The Rudiments of Astronomy. The Art of Dialling. Also with tables of Logarithms... whereunto are annexed, An Abridgment of the Penalties and Forfeitures, by Acts of Parliament, relating to the Customs, and to Navigation. And, A Compendium of Fortification. The Third edition, diligently Revised and carefully Corrected, By John Colson.* London: John Playford for W. Fisher and R. Mount, etc., 1684. 14 p.l., 196 p., 1 l., 174 (x), (24) l., 9 pl. 1°.

De la Theorie de la manoeuvre des vaisseaux. [By Bernard Renou d'Elicagary.] A Paris: Estienne Michallet, 1689. 5 p.l., 117 p., 25 pl. 12°.

Smith (Captain John). *The seamans grammar and dictionary, explaining all the difficult terms in navigation; and the practical navigator and gunner; in two parts...* London: R. Taylor, 1691. 5 p.l., 163 p., 1 pl. 4°.

— — — *London: T. Doing and B. Griffin, 1692. 4 p.l., 163 p., 1 pl. 4°.*

"A Sea Grammar" noted above under date of 1627.

Gastañeta Yturrizalzaga (Antonio de). *Norte de la navegacion hallado por el quadrante de redvccion, que ofrece, y dedica a el señor Dor. D. Andres de Ybarburu, Y Galdona, Maestre-Escuela dignidad, y Canonig de la S. Iglesia Metropolitana, y Patriarcal de Sevilla. El capitan D. Antonio de Gastañeta, Yturrizalzaga, Piloto mayor de la Real Armada del Mar Oceano.* Sevilla: Juan Francisco de Bla, 1692. engr. title, 14 p.l., 185, (1) ff., 11 pl. 1°.

Colson (Nathaniel). *The mariner's new Kalendar. Containing The Principles of Arithmetick and Geometry... Together with Exact Tables... Also The Description and Use of the Sea-Quadrant, Forestaff and Nocturnal. The Problems of Plain-Sailing and Astronomy, wrought by the Logarithms, and by Gunter's Scale. A Rutter for the Coasts of England, Scotland, Ireland, France, &c. And the Soundings coming into the Channel. With Directions for Sailing into some Principal Harbours.* London: J. D. for Richard Mount, 1697. 152 p. 4°.

P. 2. contains 23 titles of "Mathematical and Sea-books, Printed for Richard Mount, Book-seller, at the Antient Shop by the Postern on Tower-Hill."

Norwood (Richard). *The Seaman's Practice; containing A Fundamental Problem in Navigation, Experimentally Verified: namely, Touching the Compass of the Earth and Sea, and the Quantity of a Degree in our English Measures. Also, An exact*

Navigation—Early Books, 1697–1731.

Method or Form of keeping a Reckoning or Journal at Sea in any kind or manner of Sailing. With certain Tables and other Rules used in Navigation. As also the Plotting and Surveying of Places; The Latitude of the Principal Places in England; The finding of the Currents at Sea, and what Allowance is to be given in respect of them. *London: Richard Mount, 1697.* 3 p.l., 1–56, 51–58, 61–129 p., 1 l., 4°.

P. 2. contains 23 titles of "Mathematical and Sea-books, Printed for Richard Mount, Book-seller, at the Antient Shop by the Postern on Tower-Hill."

Savery (Thomas). Navigation Improv'd; or, The Art of Rowing Ships Of all Rates, in Calms, with a more easy, swift, and steady Motion, than Oars can. Also, A Description of the Engine that performs it; And the Author's Answer to all Mr. Dummer's Objections that have been made against it. *London: James Moxon, 1698.* 4 p.l., 22 p., 1 l. 12°.

The final leaf contains a list of "Books Printed and Sold by James Moxon at the Atlas in Warwick-Lane."

— [Reprinted in type facsimile by R. B. Prosser, 1880.] 4 p.l., 22 p., 1 pl. 12°.

Love (James). The Mariner's Jewel. [Extracts from the 5th ed., London, 1705, pp. 88 ff. on the working of a ship at sea, with introduction by J. Dundas White.] (Nautical Maga. *London, 1901.* v. 70, pp. 69–74.)

Bouguer (Pierre). Traité complet de la navigation... Nouvellement revû, corrigé & augmenté par l'Auteur... *A Paris, et se vend à Nantes, Chez P. De Henqueville et Chez l'Auteur, au Croisic, 1706.* 4 p.l., 252 (2) p., 10 pl. 4°.

Later editions noted under 1753, 1757, 1781.

Blondel (Guillaume). *Sieur de Saint Aubin.* Le véritable art de naviger par le quartier de reduction, Avec lequel on peut réduire les Courses des Vaisseaux en Mer, & enrichi de plusieurs raretez qui n'ont point encore été découvertes. Par le Sieur G. Blondel S. Aubin. Revû, corrigé & augmenté par le même Auteur. Dernière édition. *Havre de Grace: Guillaume Gruchet, 1713.* 6 p.l., 156, 70 p., 1 pl. 4°.

First part treats of navigation "par le quartier de reduction," the second "par le compas de proportion."

A later edition is noted under 1783.

Essay (An) towards a new method to shew the longitude at sea; especially near the dangerous shores. *London: E. Place, 1714.* 3 p.l., 9–19 p., 1 l., 1 pl. 12°.

Alimari (Dorotheus). Dorothei Alimari, Mathematici Veneti, longitudinis aut terra aut mari Investigandæ methodus. Adjectis insuper Demonstrationibus, & Instrumentorum Iconibus. *Londini: Sumptibus Bibliopolarum in vico dicto the Strand, 1715.* 1 p.l., xiv, 185 p., 5 pl. 8°.

Rivinus (Andreas). A. Rivini... De venilia et salacia, nec non malacia. (In: Grævius, J. G.: Collectio dissertationum... rarissimarum. *Trajecti Batavorum, 1716.* 4°. pp. 676–755.)

De Saumarez (Henry). An account of the proceedings of Henry De Saumarez of the island of Guernesey, Gent. Concerning his discovery of an invention, by which the course of a ship at sea may be better ascertained than by logg-line. *London, 1717.* 18 p., 1 l. 4°.

Great Britain.—Statutes. A Bill for better Preservation of his Majesty's Woods in America, and for the Encouragement of the Importation of Naval Stores from thence, and to Encourage the Importation of Masts, Yards, and Bowsprights, from that part of Great-Britain called Scotland. [*London?*, 172–.] 11, (1) p. f°.

Gordon (George). A compleat discovery of a method of observing the longitude at sea. *London: The author, 1724.* 32 p. 8°.

De Saumarez (Henry). A letter to a friend, setting forth the case of the author of the marine surveyor. Being an instrument design'd for the improvement of navigation... [By H. De Saumarez.] *London, 1725.* 47 p. 4°.

Rowe (Capt. Jacob). Navigation improved: in Two books. Book I. Containing an exact description of the Fluid Quadrant for the latitude; or, Quadrants reduc'd to the utmost degree of portableness... Book II. An essay on the discovery of the longitude, by a new invention of an everlasting Horometer... *London: J. Hooke, 1725.* 1 p.l., xvi, 43 p., 4 pl. 12°.

Alexandre (J.). Traité du flux et reflux de la mer. *Paris, 1726.* 12°.

Sully (H.). Description abrégée d'une horloge d'une nouvelle invention pour la juste mesure du temps sur mer. *Paris, 1726.* 4°.

Radoüay () de. Remarques sur la navigation, et moyens d'en perfectionner la pratique. Par Monsieur de Radoüay, Chevalier de l'Ordre Militaire de S. Louis & Capitaine des Vaisseaux du Roy. Avec les Figures en Taille douce de quelques mouvemens d'Armée & manœuvres de Vaisseau à Vaisseau: L'on y a joint la représentation de plusieurs nouveaux Instrumens propres à perfectionner la Navigation. *Paris: François Fournier, 1727.* xv, 142 p., 7 pl. 4°.

W[right] (R[obert]). An humble address To the Right Honourable the Lords, And the rest of the Honourable Commissioners, Appointed by Act of Parliament to judge of all Performances Relating to the Longitude, wherein it is demonstrated from Mr. Flamsteed's Observations, that by the late incomparable Sir Isaac Newton's Theory of the Moon, as it is now freed from some Errors of the Press, the Longitude may be found by Land or Sea, either Night or Day, when the Moon is visible, and in proper Weather, within very few Miles of Certainty. *London: Printed for T. Page, W. & F. Mount, at Tower Hill, John Osborne and Thomas Longman in Pater-noster row, and James Ansdeil, Bookseller in Liverpool, 1728.* 48 p., 1 pl. 4°.

Harris (Joseph). A treatise of navigation: containing, I. The theory of navigation demonstrated; ... II. Nautical problems. ... III. Astronomical problems. ... IV. Practical navigation. ... *London: Printed for the Author, 1730.* xviii, 238 p., 12 pl. 4°.

Hadley (John). The description of a new instrument to taking angles. (Philosoph. Transac. v. 37, pp. 147–157. *London, 1731.*)

Pitot (H.). La theorie de la manœuvre des vaisseaux, reduite en pratique ou Les principes et les regles pour Naviguer le plus avantageusement qu'il est possible. *Paris: Claude Joubert, 1731.* 10 p.l., 119 (1) p., 21 l., 8 pl. 4°.

Navigation—Early Books, 1732–1764.

Traité général des manœuvres des vaisseaux, contenant les proportions des mâts & vergues... *Havre de Grâce: Veuve de G. Gruchet*, 1732. 176 p., 2 l. 12°.

Wright (Robert). New and Correct Tables of the lunar motions, according to the Newtonian theory: As it is truly freed from all Errors of the Press... *Manchester: Printed by R. Whitworth, for the Author*, 1732. viii, xii, 13–100 p. 4°.

"These Books in Quarto, bound up together, one for finding the Moon's Place by Observation, the other by Calculation, make a complete System of all that is yet wanting in Navigation."—*Note on title-page.*

Hadley (John). A spirit level to be fixed to a quadrant for taking a meridional altitude at sea, when the horizon is not visible. (Philosoph. Transac. v. 38, pp. 167–172. *London*, 1733.)

Le Cordier. Instruction des pilotes... Par feu M. Le Cordier, Hydrographe du Roy. Dernière édition, Revûe & corrigée par J. Le Cordier, Prêtre, aussi Hydrographe du Roy à Dieppe. *Havre de Grâce: Guillaume Gruchet*, 1734. 4 p.l., 188 p., 6 l.: 3 p.l., 188 p., 3 l. 2 v. in 1. 16°.

In v. 2, verso of last leaf after p. 188 has "Catalogue des Livres & Cartes Marine imprimés chez la Veuve de Guillaume Gruchet, Imprimeur & Marchand Libraire au Havre de Grâce, & qui se trouvent dans sa Boutique."
1. ed. noted above under 1683.

Gonzales de Urefia (Juan). Delineacion de lo tocante al conocimiento del punto de longitud del globo... y de la causa de las crecientes, y menquantes del mar... *Madrid: D. M. de Peralta*, 1740. 8 l., 368 p., 2 diagrams. 4°.

Smith (Caleb). The description, use, and excellency of a new instrument, or sea quadrant, invented by Caleb Smith, for taking altitudes of the sun, moon, and stars, from the visible horizon (as well as any other angular distances at land or sea) without impediment or interruption from the ship's motion, whereby the latitude at sea may be obtained... *London: To be had of the Inventor, at his Office for Insuring Ships and Merchandise, in Castle-Alley* [1740?]. 24 p., 1 pl. 8°.

American (The) traveller; being a new historical collection... from original memoirs... containing... the rise, progress... of navigation, the use... of the loadstone... *London: J. Fuller*, 1743. 1 p.l., 398 p., 3 pl., 1 port. 4°.

Mountaine (William). The seaman's vademecum, and defensive war by sea, containing the proportions of rigging, masts and yards... &c... *London: W. Mount & T. Page*, 1744. 1 p.l., v–ix, (1), 1 l., 262 p., 3 pl. nar. 16°.

— *London*, 1761. 12°.

Saverien (). Nouvelle theorie de la manœuvre des vaisseaux, a la portée des pilotes. Par M. Saverien, Ingenieur de la Marine. *Paris: Veuve d'André Knapen & Charles-Antoine Jombert*, 1745. 8 p.l., 180, xx p., 3 l., 12 pl. 12°.

Mandillo (Jean-Baptiste). Extrait du livre de la parfait navigation par la latitude, et la longitude... *Paris: Antoine Boudet*, 1746. 2 p.l., 44 p., 2 pl. 12°.

Euler (Leonhard). Scientia navalis. *Petropoli*, 1749. 2 v. 4°.

Bouquer (Pierre). Nouveau traité de navigation, contenant la théorie et la pratique du pilotage.

Paris: Hippolyte-Louis Guerin & Louis-François Delatour, 1753. xxiv, 442 p. 15 pl. 4°.

An earlier edition noted under 1706, and a later one under 1781.

Murray (Mungo). A treatise on ship-building and navigation. In three parts... To which is added by way of appendix, an English abridgment of another treatise on naval architecture, lately published at Paris by M. Duhamel... *London: the Author*, 1754. 8 p.l., 268, 74, 2 l., 70 p., 18 pl. sq. 4°.

Bouquer (Pierre). De la manœuvre des vaisseaux, ou traité de mécanique et de dynamique; Dans lequel ou réduit à des solutions très-simples les Problèmes de Marine les plus difficiles, qui ont pour objet le mouvement du Navire. *Paris: H. L. Guerin & L. F. Delatour*, 1757. 2 p.l., xxx, 520 p., 15 pl. 4°.

Earlier editions noted under 1706 and 1753, and a later edition under 1781.

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1. ed. apparently issued in 1701.

Le Royer (J.). Causæ fluxus et refluxus maris, ventorum, et febris intermittens. *Paris*, 1760. 24°.

Abel (Thomas). Subtensial plain trigonometry, wrought with a sliding-rule, with Gunter's lines: and also arithmetically... Apply'd to navigation and surveying... *Philadelphia: printed... for the author by A. Stewart*, 1761. 2 p.l., 86 p., 7 pl. 4°.

Maskelyne (Nevil). A letter from Nevil Maskelyne to Thomas Birch: containing the results of observations of the distance of the moon from the sun and fixed stars, made in a voyage from England to the island of St. Helena, in order to determine the longitude of the ship from time to time; together with the whole process of computation used on this occasion. (Philosoph. Transac. v. 52, pp. 558–577. (no. 93.) *London*, 1762.)

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[**Charnières** () de.] Mémoire sur l'observation des longitudes en mer, publié par ordre du roi. *Paris: Imprimerie royale*. 1767. 1 p.l., xvj, 112 p., 3 pl. 8°.

— Expériences sur les longitudes, Faites à la Mer en 1767 & 1768. Publiées par ordre du roi. *Paris: Imprimerie royale*, 1768. xiv, 72 p. 8°.

— Théorie et pratique des longitudes en mer, publiées par ordre du roi. *Paris: Imprimerie royale*, 1772. 1 p.l., xvi, 260 p., 5 pl. 8°.

Besout (Etienne Louis). Cours de mathématiques à l'usage des gardes du pavillon et de la marine, avec les suites. *Paris*, 1764–69. 6 v. 8°.

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Pingré (). *Journal du voyage de M. le Marquis de Courtanvaux, Sur la Frégate l'Aurore, pour essayer par ordre de l'Académie, plusieurs Instrumens relatifs à la Longitude. Mis en ordre par M. Pingré, Chanoine régulier de Ste. Geneviève, nommé par l'Académie pour coopérer à la vérification des dits Instrumens, de concert avec M. Messier, Astronome de la Marine. Paris: Imprimerie Royale, 1768. 1 p.l., viii, 316, (3) p., 5 pl., map. 4°.*

Amman (C.) *Quadrans astronomicus novus descriptus et examinatus... Augusta Vindelicorum, 1770. 91 p., 3 pl., 1 tab. 4°.*

Exposition des moyens les plus faciles de résoudre plusieurs questions dans l'art de la navigation; et démontrés à l'aide des principes de géométrie élémentaire; avec une table des sinus versés et de leurs logarithmes. *Paris: Saillant & Nyon, 1772. 1 p.l., viij, 96 p., (25) l., 1 pl. 12°.*

Berthoud (F.) *Eclaircissemens sur l'invention, la théorie, la construction, et les épreuves des nouvelles machines proposées en France, pour la détermination des longitudes en mer par la mesure du temps... Paris: J. B. G. Musier, 1773. viii, 164 p. 4°.*

— *Traité des horloges marines. Paris, 1773. 4°.*

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Fleurieu (C. P. Claret de), *Count. Voyage fait par ordre du roi en 1768 et 1769, à différentes parties du monde, pour éprouver en mer les horloges marines inventées par M. Ferdinand Berthoud. Paris: Imp. Royal, 1773. 2 v. 4°.*

Lous (C. C.) *Tentamina experimentorum ad compassum perficiendum et unicuique usui tam nautico quam terrestri accomodandum. Hafniae: Soc. Typographica, 1773. 1 p.l., 130 p., 8 pl. 4°.*

New (A) set of Logarithmic Solar Tables, calculated and constructed for determining the latitude at sea, by taking two altitudes either in the Forenoon or Afternoon, with the intermediate time, by a common Watch; and that with Ease and Accuracy, independent of the Sun's meridional Altitude... To which is added, A complete theory, Illustrating the Rationale of this most useful Discovery. *London: J. Mount and T. Page, 1773. 4. ed. 38 p. 4°.*

"These Table [sic] were offered to us by Mr. Richard Harrison... who assures us in the strictest Manner, that he obtained them in Manuscript from a Hollander, and that they have never been published." p. 2.

Berthoud (Ferdinand). *Les longitudes par la mesure du temps; ou méthode pour déterminer les longitudes en mer, avec les secours des horloges marines. Suivie du Recueil des Tables nécessaires au Pilote pour réduire les Observations relatives à la Longitude & à la Latitude. Paris: J. B. G. Musier, 1775. 1 p.l., iv, 90, 34 p., 1 pl. 4°.*

Haselden (Thomas). *The seaman's Daily Assistant, being a Short, Easy, and Plain Method of keeping a journal at sea; In which are contained rules shewing How the Allowances for Leeway, Variations, Heave of the Sea, Set of Currents, &c. are to be made, and to correct the Dead-Reckoning*

by an Observation, in all Cases: And also all the Tables that are any Ways necessary for the Seaman's Use in keeping a journal. *London: J. Mount & T. Page, 1775. 4 p.l., 160 p. 4°.*

Euler (Leonhard). *Theorie complete de la construction et de la manœuvre des vaisseaux. Paris, 1776. nouv. ed. 4 p.l., 268 p., 6 pl. 12°.*

Levêque (P.) *Tables générales de la hauteur et de la longitude du nonagésime, calculées pour toutes les latitudes terrestres. Avignon, 1776. 2 v. 8°.*

Vel-instruerede (Den) *Skipper, eller fuldstændig Anviisning, hvad en Skipper har at iagttage, baade førend han tiltrøder Reysen, samt imedens den varer, og efterat den er fuldent, med et Tillæg hvorudi indeholdes de fornemste søcontractor, Skibs-Documenter, og andre for de Søfarende Negotierende nyttige Efterretninger... Kiøbenhavn: Friderich Christian Pelt, 1776. 4 p.l., 544 p. 16°.*

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Garra de Salagoity (J.) *Elémens de la science du navigateur. Par M. l'Abbé Garra de Salagoity, Professor d'Hydrographie à Bayonne... Paris: L. Cellot, 1781. 2 p.l., xij, 184 p., 1 pl.; xij, 203 p., 2 pl. 12°.*

Maakelyne (Nevil). *Tables requisite to be used with the Nautical Ephemeris, for finding the latitude and longitude at sea. Published by order of the commissioners of longitude. The second edition, corrected and improved. London: Printed by William Richardson, in the Strand and sold by C. Nourse in the Strand, and Mess. Mount & Page, on Tower Hill, 1781. vi, (2), 173 p., 1 l., 64 p., 2 l. 8°.*

Blondel (Guillaume), *Sieur de Saint Aubin. Le véritable art de naviguer par le quartier de réduction, avec lequel on peut réduire les courses des vaisseaux en mer, & enrichi de plusieurs raretés qui n'ont pas encore été découvertes. Revu, corrigé & augmenté. Dernière édition. Au Havre de Grace: Chez [?] D. G. Fauré, 1783. 2 p.l., 172 p. 12°.*

An earlier edition is noted under 1713.

Juan y Santacilla (Jorge). *Examen maritime, théorique et pratique, ou traité de mécanique, appliqué à la construction et à la manœuvre des Vaisseaux & autres Bâtimens. Par Don Georges Juan... Chef d'Escadre des Armées Navales de Sa Majesté Catholique... Traduit de l'Espagnol, avec des additions, par M. Levêque, Ingénieur Hydrographe de la Marine. Nantes: l'Auteur, 1783: xij, 396, 12 p., 5 pl.; 1 p.l., 364, 14 p., 8 pl. 2 v. 4°.*

Blondeau () and H. S. V. de CLAIRBOIS. *Marine. Paris, 1783–7. 3 v. 4°.* (Encyclopedie Methodique.)

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La Coudraye (Chevalier de). Dissertation sur l'observation de la longitude à la mer, dans laquelle on se propose de rendre intelligible à tous les marins la méthode des distances de la lune au soleil... *Bordeaux: Pallandre l'aîné, 1785.* 8°.

Borda (Ch. de). Description et usage du cercle de réflexion... *Paris, 1787.* 4°.

Boscovich (Roger Joseph). Abriss der Astronomie, mit Rücksicht auf ihre Verbindung mit der Schiffahrt. Aus dem Französischen. *Leipzig: Paul Gottlieb Kummer, 1787.* 4 p.l., 93 (i) p., 1 l., 2 folded l. 12°.

Lassale (L. D.). Cours d'hydrographie, ou de navigation, Professe à Paris, & mis à la portée de tous les Navigateurs. *A Londres, Et se trouve à Paris, chez Royez, 1787.* xvi, viii, 266 p., 7 pl.; 2 p.l., 220 p., 1 l., 1 folded l., 63 p., 2 pl. 12°.

Maskelyne (Nevil). Concerning the latitude and longitude of the Royal Observatory at Greenwich; with remarks on a memorial of Cassini de Thury. *London, 1787.* 4°.

Romme (Charles). L'art de la marine, ou, Principes et préceptes généraux de l'art de construire, d'armer, de manœuvrer et de conduire des vaisseaux. *Paris: Barrois, 1787.* 2 p.l., 588 p., 1 l., 7 pl. 4°.

Differs from the Rochelle edition only in the lining of the title-page, the text of the two issues being printed from same composition.

On verso of title of Paris issue is a list of 18 titles of books on navigation for sale by Barrois.

— *Rochelle: P. L. Chauvet, 1787.* 2 p.l., 588 p., 1 l., 7 pl. 4°.

Pellizer (Joseph Emanuel). Memoir for the correction of time, shewing a new system of the universe, invented by P., who intends to give his manner of finding weight and measure, with an easy manner of correcting the longitude at sea and land. 17 p. [*London? 1790?*] 8°.

Shipmaster's assistant and owner's manual, containing complete information to merchants, masters of ships, and officers in the R. Navy. *London: D. Steel, 1790.* 3. ed. 8°.

Brodhagen (D.). Verschieden-bekannten Method z. Bestimmung d. Länge u. Breite besonders in Rücksicht des Seemans. *Hamburg, 1791.* 4°.

Ciscár (Francisco). Reflexiones sobre las máquinas y maniobras del uso de á bordo ordenadas por Don Francisco Ciscár, teniente de navio de la real armada. *Madrid: En la Imprenta real, 1791.* xxxii, 386, 23 p., 23 pl. 1°.

Lassale (L. D.). Hydrographie démontrée et appliquée à toutes les parties du pilotage. *Paris, 1792.* 8°.

Nicholson (William). A treatise on practical navigation and seamanship, with Remarks, Observations, and Directions for managing and conducting a Ship... and also a full... description of the English Channel... with whatever is necessary for the Seaman to know by way of Improvement. To make ships and the management of them, and also navigation in general more perfect... *London: The author, 1792.* (2) xlv, 328 p., 1 pl. 4°.

Dulagne (V. F. J. N.). Leçons de navigation. *Rouen, 1793.* 4. ed. pl. 8°.

Lalande (Jerome). Abrégé de navigation, historique, théorique et pratique. *Paris, 1793.* 4°.

Margetts (George). Longitude tables for correcting the effect of parallax and refraction on the distance observed between the moon and the sun, or a fixed star... *London [1793].* pl. f°.

Patterson (Robert). A new table of latitude and departure, for every degree and five minutes of the quadrant, and for every point and quarter of the compass; with a full explanation... [*Philadelphia:*] *Stewart and Cochran, 1794.* 6 p.l., 7–30 p. 16°.

Bohnenberger (J. G. F.). Anleitung zur geographischen Ortsbestimmung vorzüglich vermittelt des Spiegelsextanten. *Göttingen: Vandenhöck & Ruprecht, 1795.* viii, 5 l., 514 pp., 7 pl. 8°.

ANMERKUNGEN zu Bohnenberger's Geographischer Ortsbestimmung und den Astronomischen Jahrbüchern. *Berlin, 1816?* 2 v. f°.

Manuscript. Original published in 1795.

Roswall (Fabian Casimir). En sjömans dageliga hjälpreda, Eller Kortt Sammandrag Af En Practisk Theori uti Styrmans-Konsten. *Stockholm: Tryckt hos Johan Pehr Lindh, På Kongl. Krigs-Academiens bekostnad, 1796.* 5 p. l., 158 p. (108) l., 4 pl. 8°.

4. ed. noted below under 1824.

Swinden (J. H. van). Verhandeling over het bepaalen der lengte op zee, door de afstanden van de maan tot de zon, of vaste sterren . . . 3. vermeerderde druk, uitgegeven op last van het Comité tot de Zaaken van de Marine. *Amsterdam, 1796.* 8°.

Bersout (Etienne Louis). Cours de mathématiques à l'usage de la marine et d'artillerie, revue et augmenté par Peyrard. *Paris, 1798–9.* 3 v. 8°.

Cassini (Jean Dominique). Description d'une nouvelle boussole propre à déterminer avec la plus grande précision la direction et la déclinaison absolue de l'aiguille aimantée. Lu le 11 floréal an 7. 4°. (Académie de France.)

Venturi (G. B.). Description of the longitude scale. (In his: Experimental enquiries. *London, 1799.* 4°.)

Williams (Jonathan). Thermometrical navigation: a series of experiments, tending to prove that by ascertaining the relative heat of the seawater... the passage of a ship through the Gulph Stream... may be discovered in time to avoid danger... *Philadelphia, 1799.* chart. 8°.

Hadley (John). The nature and use of Hadley's quadrant; and a description of the nonius. [Imperf.] *London, 1800.* 8°.

Moore (J. H.). The new practical navigator... containing the different methods of working the lunar observations and all the... tables used with the nautical almanac... the whole exemplified in a journal kept from England to the Island of Tenerife... 1. Am. from the 13. Eng. ed.... rev. and corr. by a skillful... navigator [Edmund M. Blunt] ... *Newburyport: E. M. Blunt, 1800.* vi–xii, 13–570 p., 7 pl. 2. ed. 8°.

Romme (Charles). La science de l'homme de mer, ou Principes d'Arithmétique, de Géométrie, d'Astronomie & de Mécanique, dont l'application est nécessaire & utile à l'Art de la Marine. *Am-*

Navigation—Early Books, 1800–1809.

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Rios (J. de Mendoza). Tables for facilitating the calculations of nautical astronomy... *London*, 1801. 4°.

Second edition noted below under 1809.

Borda (Ch. de). Description et usage du cercle de reflexion... 2. ed. *Paris*, An XI, (1802.) 4°.

Bowditch (Nathaniel). The improved practical navigator; containing all necessary instruction for determining the latitude by various methods, and for ascertaining the longitude by lunar observations, in a complete Epitome of Navigation... to which is added a number of new tables... Originally written and calculated by Nathaniel Bowditch... revised, re-calculated, and newly arranged, by Thomas Kirby. *London: James and John Hardy, and David Steel*, 1802. 4, v-xvi, 17-22 p., 1 l., 1-304 p., (126) l. 8°.

— The new American practical navigator: being an epitome of navigation, containing all the tables necessary to be used with the nautical almanac, in determining the latitude; and the longitude by lunar observations; and keeping a complete reckoning at sea: illustrated by proper rules and examples, the whole exemplified in a journal kept from Boston to Madeira, in which all the rules of navigation are introduced... *Newburyport, (Mass.): Edmund M. Blunt*, May 1807. 2. ed. xiv, 15-679 p., 10 pl. (no. 6 lacking). 8°.

— *New York: E. M. Blount, and Samuel Burtus*, Aug. 1817. 1. stereotype (4.) edition. xiv, 1 l., 274, 280, 555-597 p., 12 pl. 8°.

— *New York: Published by Edmund M. Blunt, proprietor, and author of the American coast pilot, for William Hooker, No. 202 Water-Street. J. Seymour printer*, 1821. 5. stereotype edition. xiv, 1 l., 272, 9-296, 555-594 p., 12 pl. 8°.

— *New York: E. & G. W. Blunt*, 1836. 8. stereotype ed. xv, (i), 288, 298, 571-618 p., 12 pl. 8°.

— *Washington: Government Printing Office*, 1868. 1 p.l., 8, iii-xix (i), 289, 460 p., 14 pl. 8°.

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— *Washington: Government Printing Office*, 1876. 1 p.l., 8, iii-xix (i), 289, 515 p., 14 pl. 8°.

— The American practical navigator, being an epitome of navigation and nautical astronomy. Revised by order of the bureau of navigation, navy department. *Washington: Government Printing Office*, 1883. xiv, 647 p., 8 pl. 8°.

Revision was made by Commander P. H. Cooper, U. S. N., certain chapters being contributed by Lieuts. Richard Wainwright and Charles H. Judd, U. S. N., the whole being reviewed by Capt. Ralph Chanler, U. S. N.

— Revised in 1880, under the direction of the Bureau of Navigation, Navy Department, by Commander P. H. Cooper, U. S. Navy. Revised

in 1903, under the direction of the Bureau of Equipment, Navy Department, by Lieut. G. W. Logan, U. S. Navy. *Washington: Government Printing Office*, 1903. 652 p. 8°.

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(U. S. Hydrographic Office. No. 9.)
"This edition is a reprint of the revised edition, 1903, with no change made in the text or tables of that edition except the correction of such errors as have been discovered in it to the present date."—p. 4.

Roswall (Fabian Casimir). Konungens stabsadjutants och riddarens Fabian Casimir Roswalls Försök till Hjelpreda för Nybegynnare i skeppsmånövern. *Stockholm: Carl Delén*, 1803. 5 p.l., 222 p., 5 pl.; 8 p.l., 206 p., 1 l., 5 pl. 2 v. 8°.

Schubert (F. T.) Anleitung zu der astronomischen Bestimmung der Länge und Breite. *Sf. Petersburg*, 1803. 4°.

Reboul (A. J.) Notes et additions aux trois premières sections du Traité de navigation de Bezout. *Paris*, 1804. pl. 8°.

The only edition of Bezout's "Traité" noted in the catalogues of the British Museum or the Bibliothèque Nationale is the "Nouvelle édition... par M. de Rossel," Paris, 1814. There is no copy of the work in the New York Public Library.

Andrew (J.) Astronomical and nautical tables, with precepts for finding the longitude and latitude of places... *London*, 1805. 8°.

Burke (Edward D.) A key to practical navigation... *Baltimore: Wane & Murphy*, 1805. 16 p. 8°.

Prony (G. C. F. M. R. de). Mémoire sur le calcul des longitudes et des latitudes. *Paris*, 1806. 4°.

Romme (Charles). Tableaux des vents, des marées, et des courans sur toutes les mers du globe, avec des reflexions sur ces phénomènes. *Paris: L. Duprat-Duverger*, 1806. 2 v. 8°.

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Brarens (Heinrich). System der praktischen Schifferkunde. *Friedrichstadt*, 1807. pl. 16°.

Mackay (Andrew). (B. B. Hopkins & Co.'s premium edition of) the Complete Navigator; or an easy and familiar guide to the theory and practice of navigation. With all the requisite tables, &c., &c. Illustrated with engravings. To which is added, a concise system of calculations for finding the longitude at sea, by the lunar observations by P. Delamar. *Philadelphia: Published by B. B. Hopkins & Co., and sold by W. P. Ferrand*, no. 170, Market-street, Printed by T. & G. Palmer, 1807. xxiii, (i), 275, (i), 40, 220 p., 7 pl. 8°.

Du Bourguet (J. B. E.) Traité de navigation. *Paris: Chez l'Auteur*, 1808. xvi, 494 p., 3 pl., 2 tables. 4°.

Gower (Richard Hall). Treatise on the theory and practice of seamanship, together with a system of naval signals... *London: Wilkie & Robinson*, 1808. xxvii, (i) 242 p., 1 l. illus. 3. ed. 8°.

Rios (J. de Mendoza). A complete collection of tables for navigation and nautical astronomy... 2. ed. *London*, 1809. 4°.

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Navigation—Early Books, 1811–1837.

Liddell (Robert). The seaman's New Vade-Mecum; containing a practical essay on naval book-keeping... and complete instructions in the duty of a captain's clerk... &c. *London: Steel & Co., 1811.* xvi, 554 p. 5. ed. 8°.

Bennett (Samuel). A new explanation of the ebbing and flowing of the sea, upon the principles of gravitation. *New York: the author, 1816.* viii, 9–79 p., 1 pl. 8°.

Bain (William). An essay on the variation of the compass... with practical observations and remarks. *Edinburgh, 1817.* 8°.

Bowditch (Nathaniel). The new American practical navigator. *New York, 1817.* See under 1802 above.

Day (Jeremiah). The mathematical principles of navigation and surveying, with the mensuration of heights and distances. Being the fourth part of A course of mathematics, adapted to the method of instruction in the American colleges. *New Haven: Steele and Gray, 1817.* 2 p.l., 108 p., 6 l. 1 pl. 8°.

Laplace (P. S. de). Mémoire sur le flux et le reflux de la mer. *Paris, 1818.* 4°.

Lever (Darcy). The young sea officer's sheet anchor; or, A key to the leading of rigging and to practical seamanship. With an appendix... *London: J. Richardson [1819].* xii, 1 l., 124 p. 2. ed. 4°.

Pratica del manovriere navale, ad uso della marina mercantile del regno delle Due Sicilie. Edizione 2ª napolitana, dopo quella di Palermo del 1815, accresciuta. *Napoli, 1819.* 8°. (Bibl. del nav. merc., v. 2.)

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Bywater (J.). Observations on the deviation of the compass, with illustrative remarks on its magnetic principles... *London: Longman, Hurst & Co., 1820.* 1 p.l., 46 p., 1 plan. 8°.

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Hoené-Wronski (J.). Pétition au Parlement britannique sur la spoliation d'un savant étranger par le Bureau des longitudes de Londres. *Londres, 1822.* 8°.

Deposition made... by an ecclesiastic [F. Nolan] to attest the spoliation of a learned foreigner [Hoëne Wronski] by the British Board of Longitude. *London: D. S. Maurice, 1822.* 8 p. 8°.

Stansbury (Daniel). Tables to facilitate the necessary calculations in nautical astronomy... designed to enable navigators to determine their longitude from lunar observations... Prefixed, an explanation of the tables... *New York: the author, 1822.* xvi, 2 l., xv–cxl, 340 p. sq. 4°.

Roswall (Fabian Casimir von). Navigation, eller en sjömans dageliga handbok uti Styrmanskonsten, jemte Alla nödiga Tabeller. Fjerde Upplagan... *Stockholm: Fr. B. Nestius, på Auktorns bekostnad, 1824.* 4 p.l., 212, 318, (2), 1 folded leaf, 5 pl. 8°.

x. ed. noted above under 1796.

Blunt (Edmund March). Theory and practice of seamanship; together with a system of naval tactics: with the rules... for the naval service... Compiled by Edmund M. Blunt... *New York: E. M. Blunt, 1824.* viii, 420 p., 9 pl. 2. ed. 8°.

Griffiths (Anselm John). Observations on some points of seamanship; with practical hints on naval economy, &c., &c. *Cheltenham: J. J. Hadley, 1824.* xii, 290 p. 8°.

Tiarks (J. L.). Short account of observations made with chronometers, in two expeditions sent out by the admiralty... for ascertaining the longitude of Madeira and of Falmouth... *London, 1824.* 4°.

Lynn (Thomas). Nautical and astronomical tables;... prefixed a full explanation of their uses; descriptions of the most important instruments employed by the mariner; copious rules and examples for finding the latitude, with short methods of ascertaining the longitude... *London, 1825.* 8°.

Poterat (M. de). Théorie du navire. *Paris, 1826.* 2 v. 4°.

Tengbergen (P. A.). *Super instituto navium per vada ductorum sive pilotarum, eorumque juribus et officiis; (het loodswezen.) *Lugduni Batavorum, 1826.* 5 p.l., vi, 131 p., 4 l. 8°.

Bonnefoux (P. M. J. de), *baron*. Nouvelles séances nautiques; ou, Traité élémentaire du vaisseau dans le port. Cet ouvrage est suivi d'un appendice contenant: 1°. Un vocabulaire français-anglais de termes de marine; 2°. Un choix de commandemens employés à bord... 3°. Un recueil français-anglais de phrases nautiques. *Paris: Bachelier, 1827.* xi, 368 p., 1 plan. 8°.

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Navigation. *London: Baldwin & Cradock, 1828.* 1 p.l., 33 p. 8°. (Society for the Diffusion of Useful Knowledge. Library of Useful Knowledge.)

Knorr (E.). Disquisitio analytica de æstu maris. *Berolini, 1830.* 4°.

Taylor (Mrs. [J.]). Lunar tables, by which the true distance is obtained from the apparent altitudes, thereby avoiding the usual tedious preparations, previous to clearing a lunar distance. *London: Richards & Co., 1834.* vi, 1 l., 22, 208 p. 8°.

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